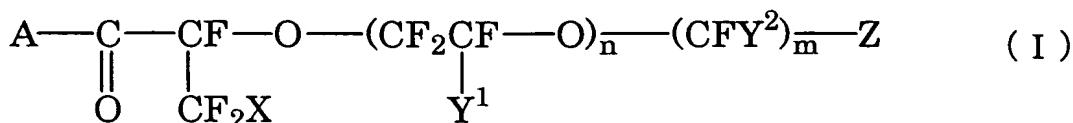
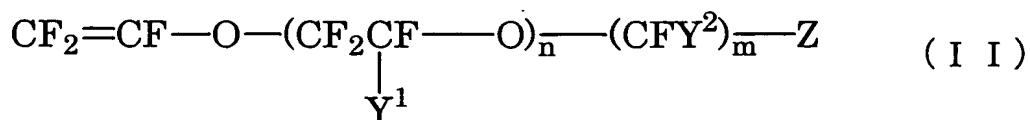


ABSTRACT

The present invention relates to a method for producing a water-soluble fluorine-containing vinyl ether which 5 comprises subjecting a fluorine-containing 2-alkoxypropionic acid derivative represented by the following general formula (I):



10 (wherein A represents $-OM^1$ or $-OM^{1/2}$, and M^1 represents an alkali metal and M^2 represents an alkaline earth metal; X represents a halogen atom; Y^1 and Y^2 are the same or different and each represents a fluorine atom, a chlorine atom, a perfluoroalkyl group or a fluorochloroalkyl group; n represents an integer of 15 0 to 3, and n of Y^1 's may be the same or different; m represents an integer of 1 to 5, and m of Y^2 's are the same or different; and Z represents a hydrophilic group) to thermal decomposition at a temperature of not lower than 50°C but lower than 170°C in the presence of a coordinating organic solvent to give a 20 water-soluble fluorine-containing vinyl ether represented by the general formula (II):



(wherein Y^1 , Y^2 , Z , n and m are as defined above),
said coordinating organic solvent having a coordinating
25 property with an ion of said M^1 or an ion of said M^2
said coordinating organic solvent being in an amount of
10 to 1,000 parts by mass per 100 parts by mass of the
fluorine-containing 2-alkoxypropionic acid derivative.